PTO/SB/08A (07-05)

Approved for use through 07/31/2008. OMB 0851-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwerk Reduction Act of 1925/no persons are required to respond to a collection of information unless it contains a valid OMB control number. Substitute for form 14/8/1

Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

6

Com	piete it Known	
Application Number	10/648,029	÷
Filing Date	26 Aug. 2003	
First Named Inventor	Kenneth J. Kledzik	
Art Unit	2814	
Examiner Name	N. Ha	
Attorney Docket Number	009.2005	

			U. S. PATENT D	OCUMENTS	
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
11		US- 3,239,719	03-08-1966	Shower	
140		US- 3,665,256	05-23-1972	Goun et al.	
	,	US- 3,737,986	06-12-1973	Cranston	
1		US- 3,777,221	12-04-1973	Tatusko et al.	
		US- 4,038,488	07-26-1977	Lin	•
		US- 4,245,877	01-01-2081	Auriana	
		US- 4,288,841	09-08-1981	Gogal	
		US- 4,322,778	03-30-1982	Barbour et al.	
		US- 4,398,235	08-09-1983	Lutz et al.	
		US- 4,437,235	03-20-1984	McIver	•
		^{US-} 4,549,200	10-22-1985	Ecker et al.	
		^{US-} 4,616,655	10-14-1986	Weinberg et al.	\
		US- 4,632,293	12-30-1986	Feinstein	
		US- 4,763,188	08-09-1988	Johnson	
		US- 4,802,062	01-31-1989	Blum et al.	
		^{US-} 4,982,265	01-01-1991	Watanabe et al.	
•		5,107,586	04-28-1992	Eichelberger et al.	
de		US- 5,128,831	07-07-1992	Fox, III et al.	
IIT		US- 5,130,894	07-14-1992	Miller	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Cite Initials* No.1	Cite No.1	Foreign Patent Document	oreign Patent Document Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	
N 1-		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	٦٩
VO		DE 198 45 316 A1	02-12-1999	LG Semicon Co., Ltd		1
1		DE 100 29 259 A1	12-20-2001	Orient Semiconductor Elec.		1
		EP 0 714 231 A2	05-29-1996	Illinios Tool Works, Inc.		
		WO 00/65652 A1	11-02-2000	Dense-PAC Microsys., Inc		T
		WO 00/68996 A1	11-16-2000	Seagate Technology LLC		
TIL		WO 01/48819 A2	07-05-2001	Intel Corp		1

Examiner	Date	
Signature	Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Skind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Kenneth J. Kledzik

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

2814

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/648,029 Filing Date 26 Aug. 2003 First Named Inventor

Art Unit

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

	(Use as man	y sheets as	necessary)	Examiner Name	N. Ha	
Chast	2	Of 1	6	Attorney Docket Number	009.2005	

			U. S. PATENT D		
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
THE		US- 5,191,404	03-02-1993	Wu et al.	
1/4		US- 5,239,198	08-24-1993	Lin et al.	
		US- 5,239,447	08-24-1993	Cotues et al.	
		US- 5,241,456	08-31-1993	Marcinkiewicz et al.	
		US- 5,262,594	11-16-1993	Edwin et al.	
1		US- 5,285,352	02-08-1994	Pastore et al.	
1		US- 5,311,401	05-10-1994	Gates, Jr. et al.	
		US- 5,311,407	05-10-1994	Lumbard	
		us- 5,313,366	05-17-1994	Gaudenzi et al.	
	<u> </u>	US- 5,316,787	05-31-1994	Frankeny et al.	
		us- 5,377,077	12-27-1994	Burns	
		^{US-} 5,400,904	03-28-1995	Maston, III et al.	
		US- 5,418,688	05-23-1995	Hertz et al.	
		US- 5,450,283	09-12-1995	Lin et al.	<u> </u>
		us- 5,479,318	12-26-1995	Burns	
		us- 5,492,223	02-20-1996	Boardman et al.	
		US- 5,498,906	03-12-1996	Roane et al.	
		US- 5,514,907	05-07-1996	Moshayedi	
4/4		US- 5,570,274	10-29-1996	Saito et al.	

		FORE	IGN PATENT DOCU	MENTS		
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Cotumns, Lines, Where Relevant Passages	٦
•		Country Code ³ Number ⁴ Kind Code ⁵ (If known)	MM-DD-YYYY		Or Relevant Figures Appear	To
M		WO 01/69680 A2	09-20-2001	Legacy Elecs., Inc.		
1		JP 08-051183	02-20-1996	NEC Corp.		1
		JP 09-245926	09-19-1997	Shinetsu Polymer Co., Ltd		1
1		JP 10-074769	03-17-1998	Nippon Steel Corp.		✓
		JP 11-111914	04-23-1999	NEC Corp.		✓
NA		JP 2000-031617	02-28-2000	Hitachi Ltd.		1

W		· ·	
Examiner		ate	
Signature	C	onsidered	L.A.

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that Issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Approved for use through 07/31/2006. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known

Substitute for form 1449/PTO **Application Number** 10/648,029 Filing Date 26 Aug. 2003 INFORMATION DISCLOSURE First Named Inventor Kenneth J. Kledzik STATEMENT BY APPLICANT Art Unit 2814

(Use as many sheets as necessary) **Examiner Name** N. Ha **Attorney Docket Number** 009.2005 6 Sheet of_

			U. S. PATENT D	DCUMENTS	
Examiner Initials*	Cite No.	Number-Kind Code ^{2 (F known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
10		US- 5,579,207	11-26-1996	Hayden et al.	
i		US- 5,656,856	08-12-1997	Kweon	
		US- 5,677,569	10-14-1997	Choi et al.	
		US- 5,701,233	12-23-1997	Carson et al.	
		US- 5,739,581	04-14-1998	Chillara et al.	
		us- 5,742,097	04-21-1998	Matsunage et al.	
		US- 5,744,827	04-28-1998	Jeong et al.	
		US- 5,757,079	03-16-1998	McAllister et al.	
		US- 5,783,870	07-21-1998	Mostafazadeh et al.	
		US- 5,790,378	08-04-1998	Chillara	
		US- 5,810,609	09-22-1998	Faraci et al.	
		US- 5,869,353	02-09-1998	Levy et al.	
		US- 5,869,356	02-09-1999	Fuller, Jr. et al.	
		US- 5,910,885	06-09-1999	Gulachenski et al.	
		US- 6,014,316	01-11-2000	Eide	
		US- 6,028,352	02-22-2000	Eide	
		us- 6,049,972	04-18-2000	Link et al.	·
1		US- 6,072,122	06-06-2000	Hosoya	
N		US- 6,081,429	06-27-2000	Barrett	

		FOREIGN	I PATENT DOCU			·
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages	١.
		Country Code ³ "Number ⁴ "Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T°
10		JP 2003-521806 A	07-15-2003	Irvine Sensors Corp.		1

Date Examiner Considered Signature

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). 2See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. Including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of Information unless it contains a valid OMB control number.

Substitute for form 1449/PTO				Complete if Known			
				Application Number	10/648,029		
INIE	DM ATI	ON DISC	CLOSURE	Filing Date	26 Aug. 2003		
•				First Named Inventor	Kenneth J. Kledzik		
STA			PLICANT	Art Unit	2814		
(Use as many sheets as necessary)			essary)	Examiner Name	N. Ha		
neet	4	of	6	Attorney Docket Number	009.2005	フ	

Sheet

			U.S. PATENT	DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
11/1		Number-Kind Code ^{2 (F known)} US- 6,084,293	07-04-2000	Ohuchi	
		US- 6,084,780	07-04-2000	Нарроуа	1
		US- 6,093,249	07-25-2000	Curtin	
		US- 6,101,100	08-08-2000	Londa	1
		US- 6,107,683	08-22-2000	Castro et al.	
		US- 6,160,718	12-12-2000	Vakilian	
		US- 6,214,640	04-10-2001	Fosberry et al.	
1		US- 6,262,488	07-17-2001	Masayuki et al.	
1		US- 6,291,259	09-18-2001	Chun	
1		US- 6,313,522	11-06-2001	Akram et al.	
		US- 6,313,524	11-06-2001	Pueschner et al.	
		US- 6,320,757	11-20-2001	Liu	
		US- 6,363,846	04-02-2002	Murakami	
		US- 6,388,335	05-14-2002	Lam	
		US- 6,404,043	06-11-2002	Isaak	
		us- 6,428,650	08-06-2002	Chung	
		US- 6,445,591	09-03-2002	Kwong	
		US- 6,462,284	10-08-2002	Hashimoto	
M		US- 6,469,376	10-22-2002	Vaiyapuri	

	FORE	IGN PATENT DOCU	IMENTS	•	
No.'	Foreign Patent Document	Publication \ Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T⁰
1 2			Date	/2 /2 /	
	No.'	Cite Foreign Patent Document	Cite Foreign Patent Document Publication Date MM-DD-YYYY	No.¹ Country Code³ Number⁴ Nind Code⁵ (if known) Date MM-DD-YYYY Applicant of Cited Document	Cite No. 1 City No. 1 Country Code ³ Number ⁴ 'Nind Code ⁵ (Il known) Publication Date MM-DD-YYYY Regular of Cited Document Mybrid Relevant Passages Or Relevant Figures Appear Date Date

MHAR *EXAMINER; Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Senter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.18 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete. including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form; call 1-800-PTO-9199 (1-800-786-9199) and select option 2.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number. Complete if Known Substitute for form 1449/PTO **Application Number** 10/648,029 Filing Date 26 Aug. 2003 INFORMATION DISCLOSURE First Named Inventor Kenneth J. Kledzik STATEMENT BY APPLICANT Art Unit 2814 (Use as many sheets as necessary) N. Ha **Examiner Name** 6 **Attorney Docket Number** 009,2005 5 Sheet

			U. S. PATENT			
Examiner Initials*	Cite No. ¹	Document Number Number-Kind Code ^{2 (V known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	
117		US- 6,472,735	10-29-2002	Isaak		
v_{i}		US- 6,559,539	05-06-2003	Tu et al.		
		US- 6,566,746	05-20-2003	Isaak et al.		
		US- 6,614,110	09-02-2003	Pace		
		US- 6,618,267	09-09-2003	Dalal et al.		
		us- 6,627,984	09-30-2003	Bruce et al.		
		US- 6,628,527	09-30-2003	Muramatsu et al.		
		us- 6,665,194	12-16-2003	Patel et al.		
		us- 6,777,798	08-17-2004	Fukumoto et al.		
·		US- 6,924,556	08-02-2005	Cha		
		US- RE36916	10-17-2000	Moshayedi		
MI		US- 2002/0088355 A1	07-11-2002	Comulada		
The		US-				
		US-				
		09				
		US-				
•		US-				
		US-				
		US-			,	

	FOREIGN PATENT DOCUMENTS								
Examiner Initials*	Cite No.1	Foreign Patent Document	Publication	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages				
		Country Code ³ Number ⁴ Kind Code ⁵ (if known)	MM-DD-YYYY		Or Relevant Figures Appear	T⁵			
		·							

Examiner Signature		Date Considered	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered, include copy of this form with next communication to applicant. Applicant's unique citation designation number (optional). See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. Applicant is to place a check mark here if English language Translation is attached.

This collection of Information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

PTO/SB/08B (07-05)

Approved for use through 07/31/2008. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE should to a collection of information unless it contains a valid OMB control number

Substitute for form 1449/PTO				Complete if Known			
Subsului	e lorium 1448/F 10			Application Number	10/648,029		
INFO	DRMATIO	N DIS	CLOSURE	Filing Date	26 Aug. 2003		
STA	TEMENT	BY AF	PPLICANT	First Named Inventor	Kenneth J. Kledzik		
	Ulas as many a	hanta an an		Art Unit	2814		
	(Use as many s	neers as ne	cessary)	Examiner Name	N. Ha		
Sheet	6	of	6	Attorney Docket Number	009.2005		

Examiner Cite Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), to the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-number(s), publisher, city and/or country where published.				
		"Alterable Interposer Block for Personalizing Stacked Module Interconnections", 30(8) IBM Tech. Disclosure Bulletin 373-4 (1988)		
-				
	•			
		·		
Examiner		Date		

Examiner		Date	
Signature		Considered	

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.